

Genuine Accessories



Vehicle Model Tucson _____
Model Year 2016 ~ _____
Part No. D3062 ADU02 _____
 D3062 ADUP2 _____

Accessory Mirror, Auto-dim w/ HL4 & _____
 Comp _____
Difficulty (B) _____

Note: Difficulty stated above reflects the minimum level of expertise required to install the accessory.

(A) Customer (B) Dealer Technician (C) Master Technician

Instructional Symbols / Definitions

 Denotes warnings that may lead to serious physical injury or vehicle damage.	 Denotes quality processes to be checked prior to moving to the next step.	Denotes safety equipment required to be used such as a mask, safety glasses, gloves, and hearing protection.
 Denotes cautions to be taken to avoid physical injury or electronic component damage.	 Denotes specific tools that are necessary to complete the step.	 Mask
 Denotes cautions to be taken to avoid vehicle and component damage.	 Denotes instructional steps necessary to complete the process.	 Safety Glasses
		 Gloves
		 Hearing Protection

Basic Required Hand Tools

	 M10 10mm Socket	 M12 12mm Socket	 T20 T20 Torx Socket
 Torque Wrench	 Nylon Panel Removal Tool	 T20 T20 Torx Driver	 #2 Phillips Screwdriver
 Side Cutters	 Pliers	 Tape Measure	

FMVSS 110 Compliance Information	
Part Weight	1.36 lbs
	0.62 kg

All dealers must determine if the weight they have added in the form of all options or accessories, when added to the weight of all Port/Dealer installed options or accessories, exceeds the lesser of 1.5% of GVWR or 100 lbs. If the additional weight does exceed the lesser of the indicated thresholds, a "Load Carrying Capacity Reduced" label must be installed. A black, fine-point, indelible marker must be used to write by hand onto the label, the reduced carrying capacity in kilograms or pounds, which is the total weight of all added options and accessories.

Load Label Part Number: NP070 - 09003

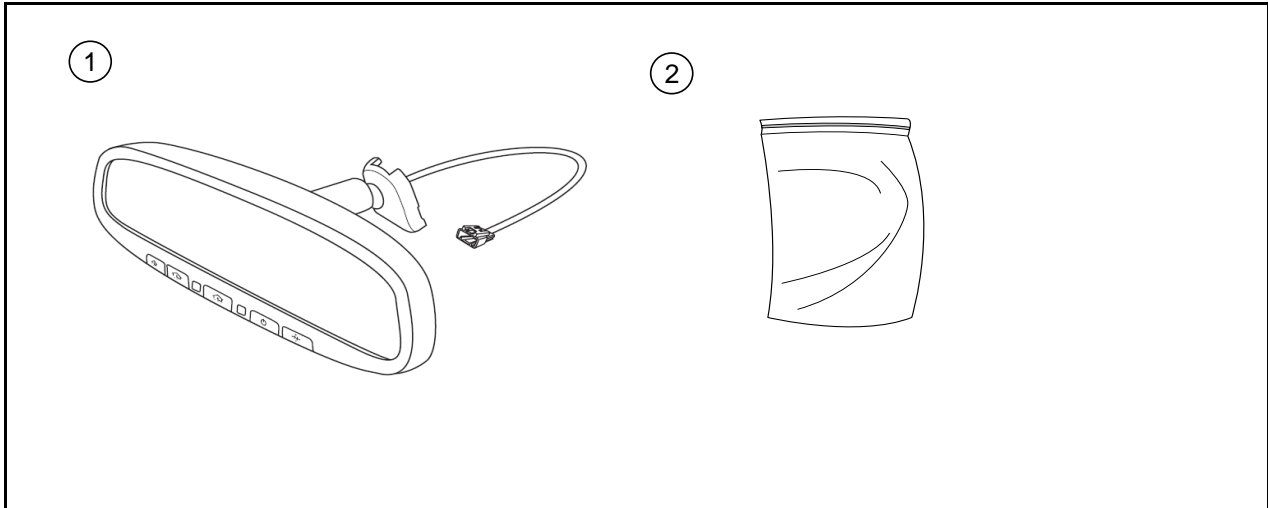
Notes to the Installer:

- 1) Read the entire installation instructions prior to beginning the installation of this accessory.
- 2) Make sure the vehicle is completely clean before the accessory is installed.
- 3) Ensure the vehicle is properly protected in the area(s) that the accessory is to be installed.
- 4) To prevent vehicle damage, never place tools on top of painted surfaces, seats, dash pad, console, carpet or floor mats.
- 5) Always wear appropriate safety gear, including gloves and safety glasses, when required.
- 6) Ensure transportation fuse is in "ON" position, if applicable.



Genuine Accessories

Kit Overview



No.	Qty.	Description
1	1	Mirror, Auto-dimming w/ Homelink 4 & Compass
2	1	Hardware Kit

Hardware Overview

A		F	
1	Mirror Harness	9	Wire Ties*
B		G	
1	Wire Cover	1	Installation Instructions
C		H	
1	A-Pillar Tether Clip (85815 C1000 - White)	1	Quick Ref. Guide
D			
6	Foam Tape*		
E			
3	T-Taps*		

* Extra components intentionally placed in kit as spares.
Please follow directions for proper placement of each component.

Hardware Total
23




Genuine Accessories Electrical Connection Procedure

Wire Appearance

Wires may be solid color, or striped (tracer). The first color in the description indicates the base color of the wire; the second indicates the stripe.


Example:

Solid color wire



Black

Striped Wire



White
(Base Color)

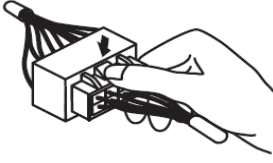
Red
(Stripe Color)

Disconnecting Connectors

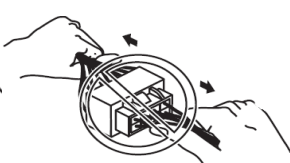
When disconnecting the wires, grasp the connectors, not the wires.

Example:

Correct



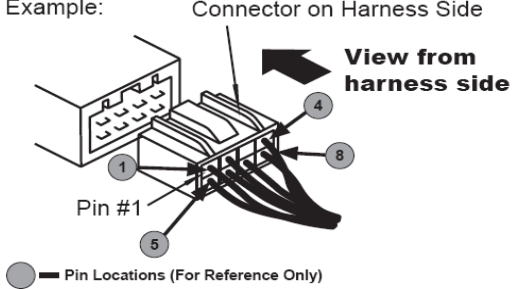
Incorrect



Connector Diagrams

Connector diagrams show the harness side view, unless noted. The wire pin numbers are shown from the wire harness side, not the connector side.

Example:

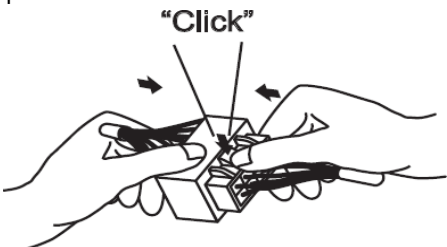


● Pin Locations (For Reference Only)

Connecting Connectors

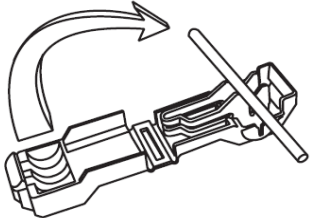
When locking connectors, listen for an audible "click" indicating the connectors are securely locked.

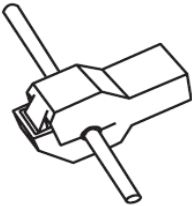
Example:

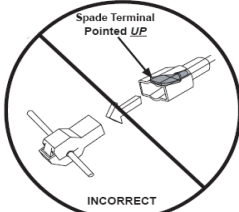


T-Tap Install Procedure

1. Place the T-tap on the vehicle wire
2. Using pliers, close and crimp T-tap around the vehicle wire.
3. Insert accessory harness wire with male spade terminal into the opening in T-tap.

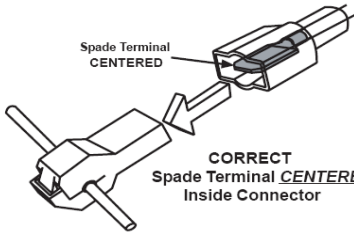






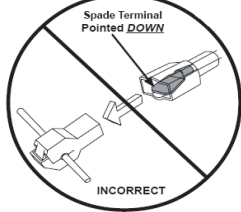
Spade Terminal Pointed UP

INCORRECT



Spade Terminal CENTERED

CORRECT
Spade Terminal CENTERED
Inside Connector

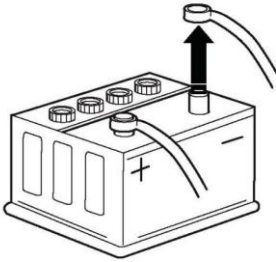


Spade Terminal Pointed DOWN

INCORRECT

** Extreme care must be take to ensure the male spade is inserted into the T-tap properly

Genuine Accessories



Ratchet and 10mm Socket

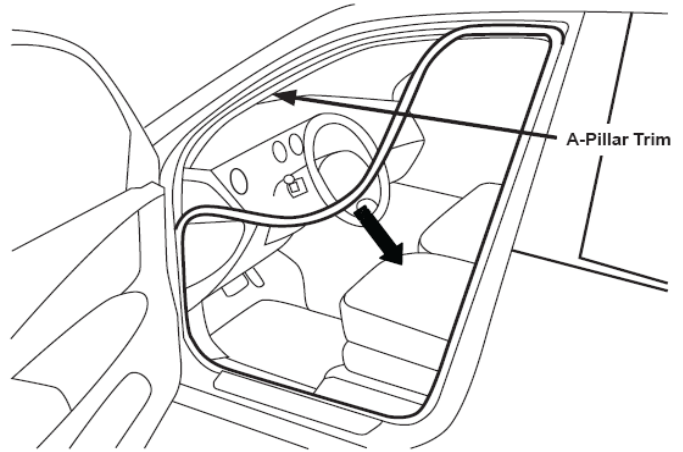
1

NOTE

1. Ensure the correct part is being installed. Verify the part number on the installation orders with the part number on the kit box label.
2. Write down all pre-set radio stations (if applicable).
3. Disconnect and isolate vehicle's negative battery cable.



WARNING: Shock Hazard! Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious injury and damage to the vehicle may occur.

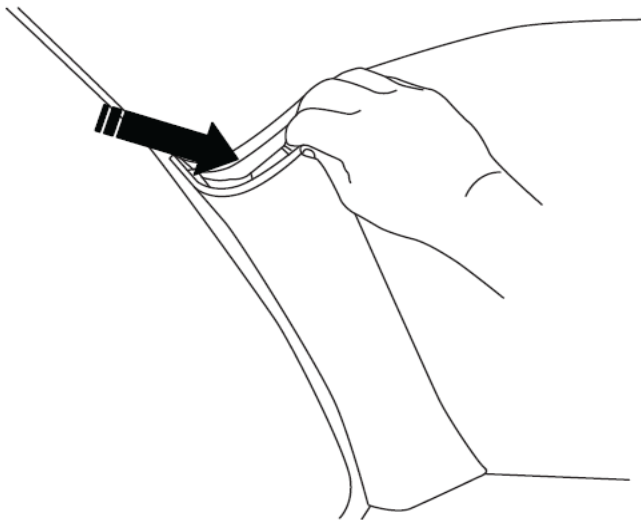


Ratchet and 10mm Socket

2

NOTE

1. Carefully pull the front of the driver-side door seal back to allow removal of the A-pillar trim panel



Nylon Panel Removal Tool

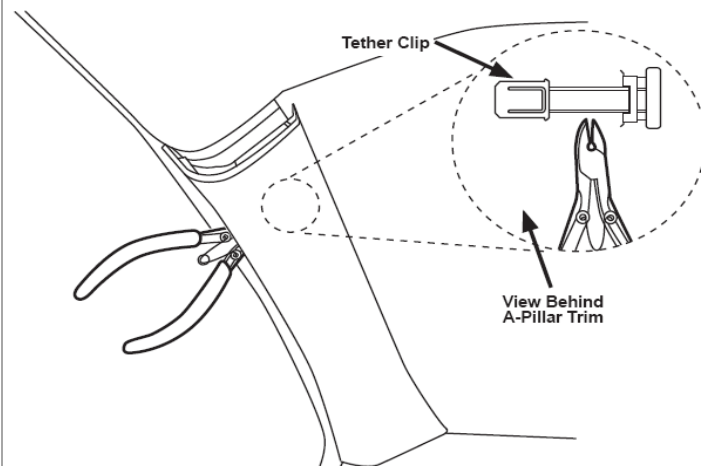
3

NOTE

1. Partially remove the A-pillar trim panel by pulling the top out towards the vehicle passenger-side, until the A-pillar tether clip catches.



CAUTION: Ensure care is taken to prevent damage to the A-pillar trim panel, wire harness, sunroof drain tube, and curtain airbag.



Side Cutters

4

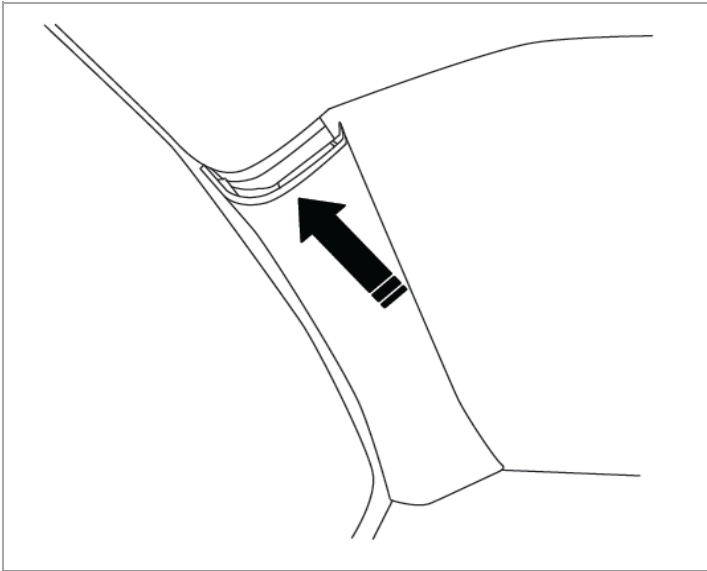
NOTE



1. With A-pillar trim partially pulled away, reach behind trim panel and cut tether clip, as shown above.

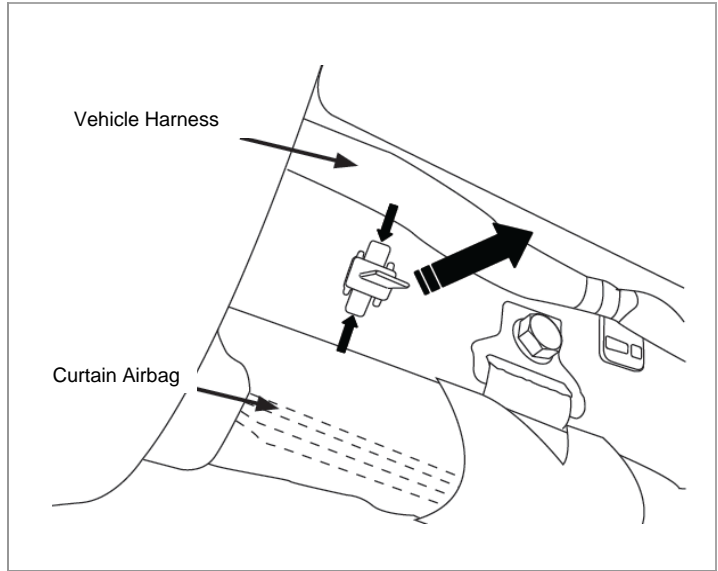



CAUTION: If needed, use a flashlight to light behind the A-pillar trim to avoid damaging any vehicle component with the cutting tool. DO NOT cut anything other than the A-pillar tether clip.

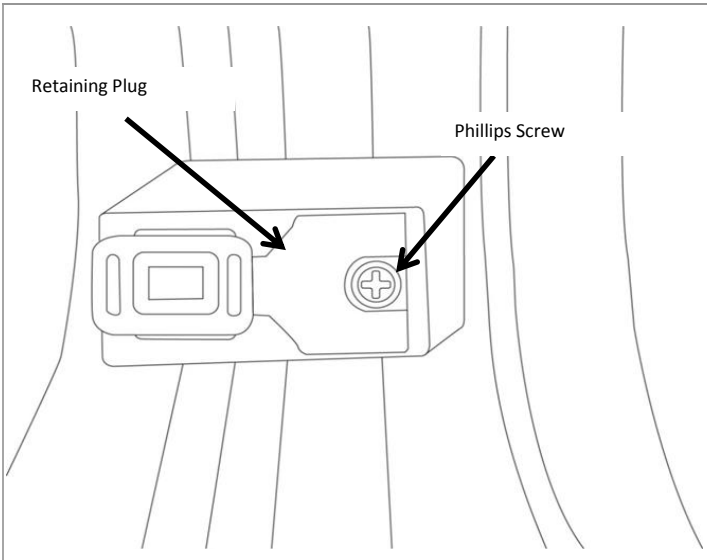
Genuine Accessories





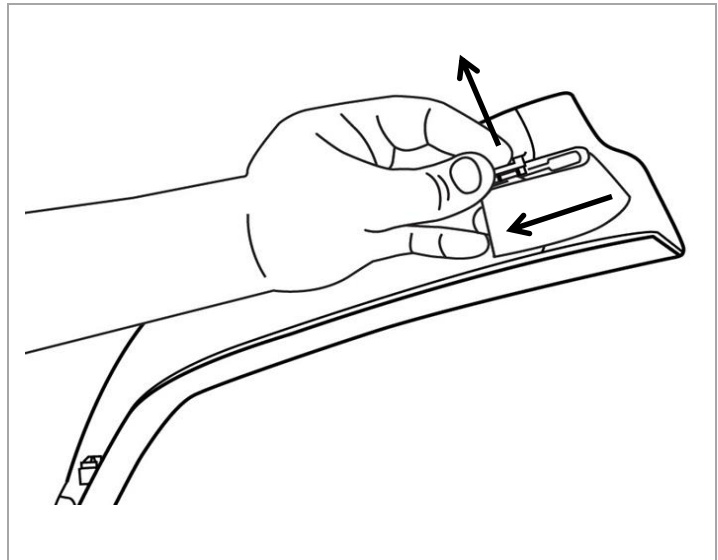
	5
NOTE	1. Continue removing the A-pillar trim panel by pulling the top out toward the passenger side of the vehicle, until remaining three (3) clips are released.
	CAUTION: Do not damage A-pillar trim panel or headliner.





	Pliers	6
NOTE	1. Using Pliers, pull the remaining portion of the A-pillar tether clip out of the A-pillar, then discard the clip.	

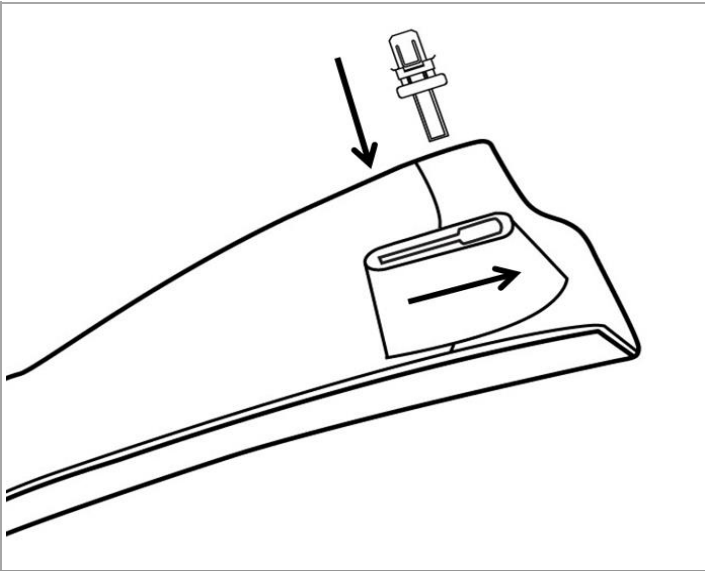




	#2 Phillips Screwdriver	7
NOTE	1. Remove one (1) Phillips screw (shown) from inside of A-pillar trim. 2. Remove retaining plug.	
	CAUTION: Do no scratch or damage the A-pillar trim panel.	

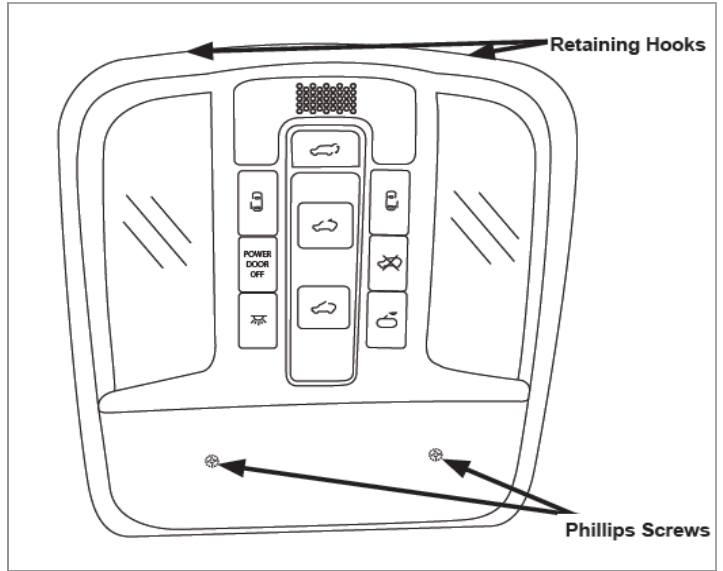




	8
NOTE	1. Grasp the clip, and slide toward the bottom of the A-pillar trim, then pull the piece out of the trim panel.
	CAUTION: Do no scratch or damage the A-pillar trim panel.

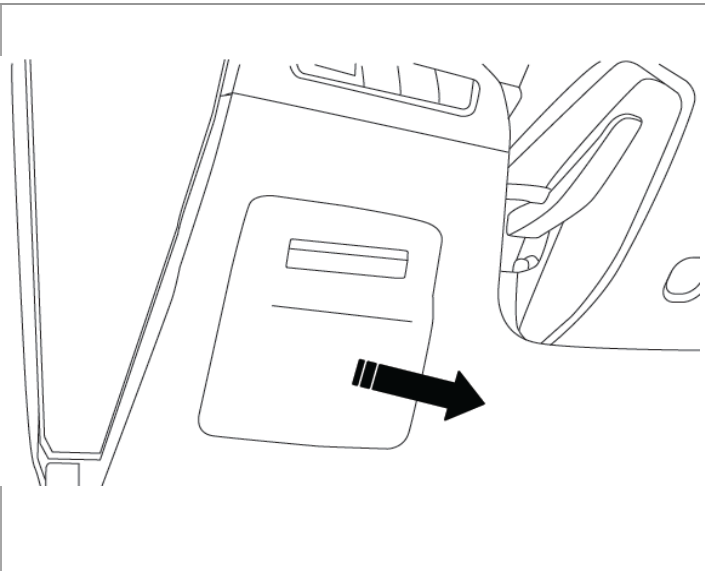
Genuine Accessories





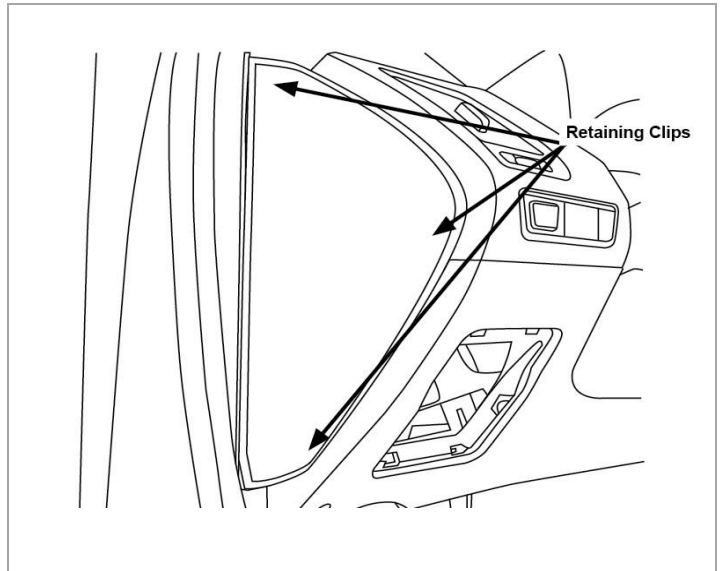
	#2 Phillips Screwdriver	9
N O T E	ALWAYS install a new A-pillar tether clip in the closed position before proceeding with the disassembly.	
	1. Place a new tether clip in the A-pillar trim panel by aligning the slot on the trim panel with the tether clip. 2. Slide the clip upward until it locks in place. 3. Replace retaining plug and screw removed in step 7.	
	WARNING: Always use a new tether clip when re-installing the A-pillar trim panel. Failure to use a new clip may result in serious injury or death in the event the airbag deploys. Do not damage the A-pillar trim panel or tether clip.	





	#2 Phillips Screwdriver	10
N O T E	1. Open the sunglasses holder in the overhead console, to access the two (2) Phillips screws. 2. Remove the two (2) Phillips screws.	
		CAUTION: Do not damage headliner or overhead console.

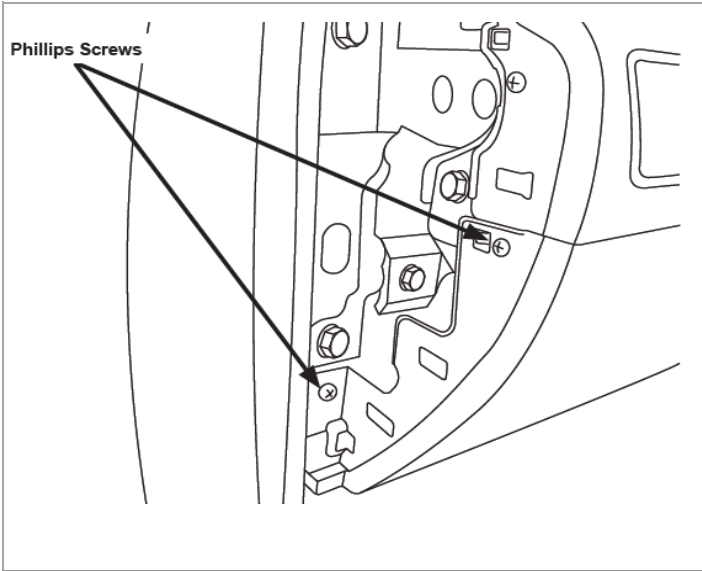


		11
N O T E	1. Remove the fuse panel cover, and set aside.	
		

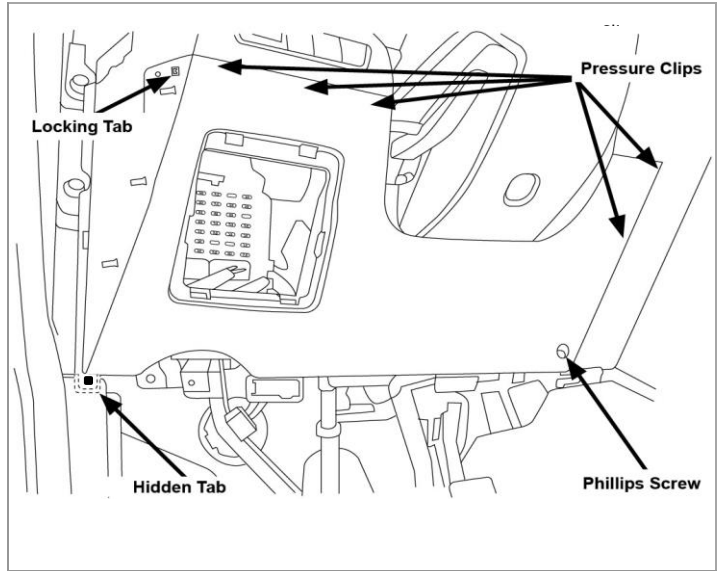


	Nylon Panel Removal Tool	12
N O T E	1. Reach through the fuse panel opening and push the Dash Side Panel out, by dislodging the clips. 2. Remove the Dash Side Panel and set aside.	
		

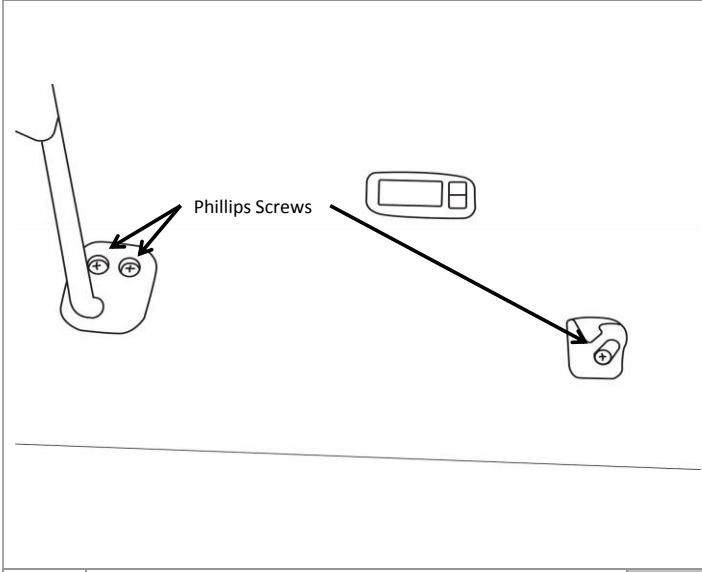
Genuine Accessories



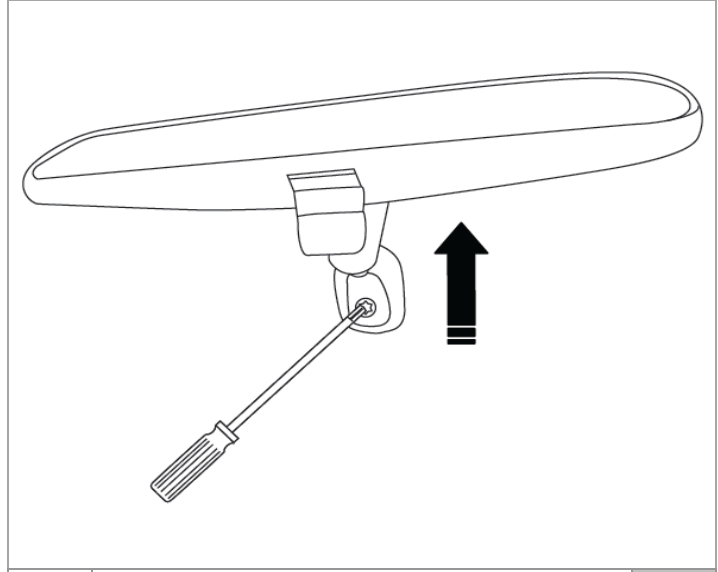
	#2 Phillips Screwdriver	13
NOTE	1. Remove the two (2) Phillips screws from the outside surface of the lower dash trim panel.	
	CAUTION: Do not scratch lower dash trim panel.	



	#2 Phillips Screwdriver and Nylon Panel Removal Tool	14
NOTE	1. Remove one (1) Phillips screw from lower right corner of lower dash trim panel. 2. Disconnect the OBDII connector from the dash panel. 3. Using the Nylon Panel Removal Tool, release the one (1) locking tab on the dash panel. 4. Starting at the upper right side of the panel, pull the panel outward releasing the clips, moving right to left. NOTE: The lower corner of the dash panel has a hidden tab located behind the driver kick panel as shown.	
	CAUTION: Do not scratch the lower dash trim panel. Do not damage wires or connectors in the panel. Do not break the hidden tab behind the driver's kick panel.	

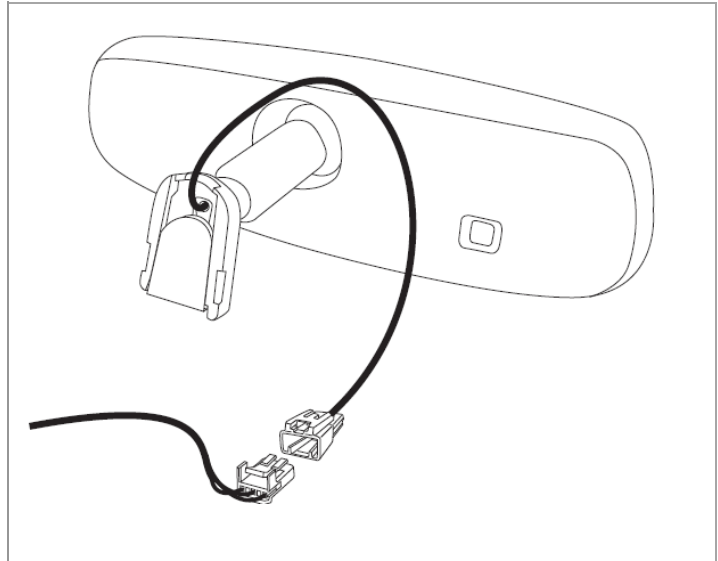
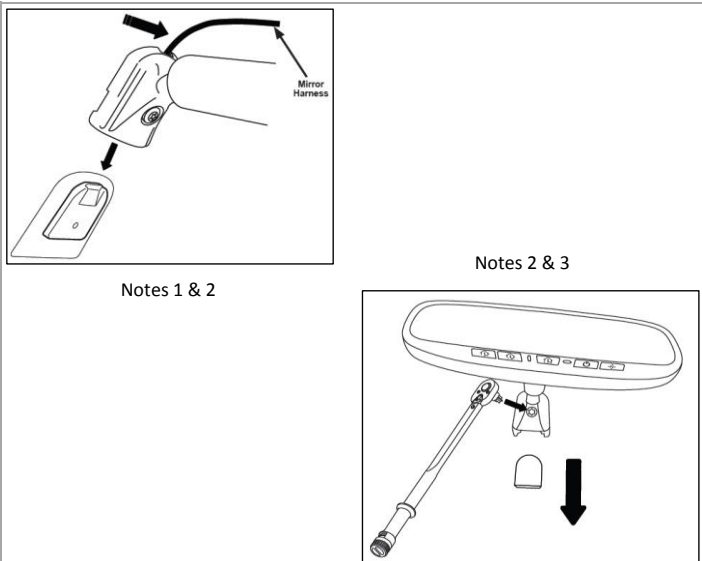


	#2 Phillips Screwdriver	15
NOTE	1. Remove the three (3) Phillips screws for the driver side visor and visor clip.	



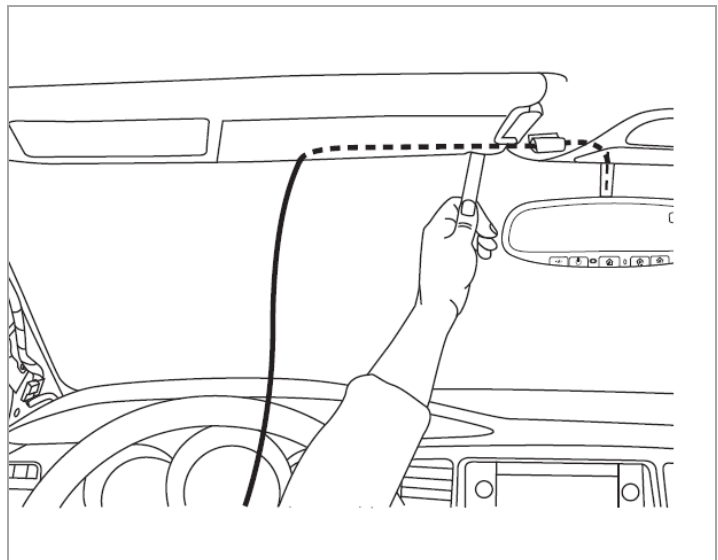
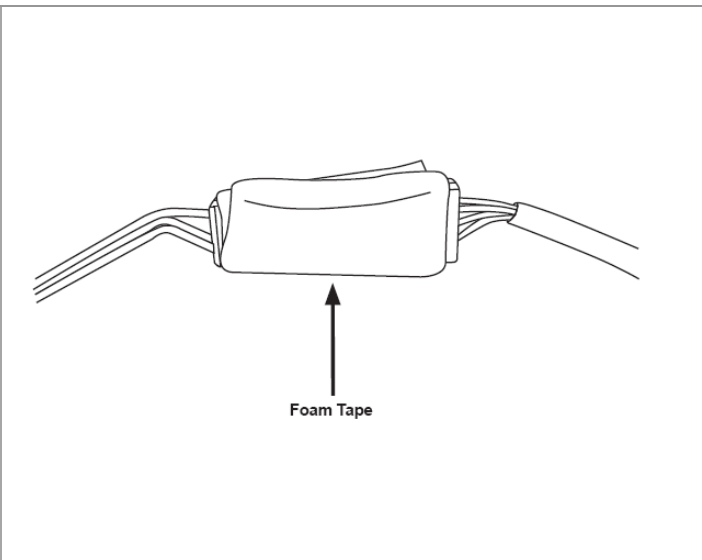
	T20 Torx Driver	16
NOTE	1. Using a T20 Torx Driver, loosen the screw on the mirror mount. 2. Gently pull the mirror upwards in a parallel direction to the windshield to remove. DO NOT pull the mirror away from the windshield.	
	CAUTION: Take care to avoid damaging the mirror mount, windshield, and headliner.	

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	T20 Torx Socket and Torque Wrench	17
NOTE	<ol style="list-style-type: none"> 1. Carefully pull harness lead extending from the mirror, through the groove in the top side of the mount. 2. Slide the new mirror over the windshield button. Hold the harness away from the windshield when sliding the mirror over the button. <p>CAUTION: Ensure the mirror harness is not pinched between the mount and the windshield button.</p> <ol style="list-style-type: none"> 3. Torque the screw to: 1.76 N-m (0.18 kgf-m, 15.6 lb-in). 	
	<p>WARNING: Do not over-tighten the screw. Over tightening the screw will not properly secure the mirror, and could cause the mirror to break loose and injure the occupants in an accident.</p>	

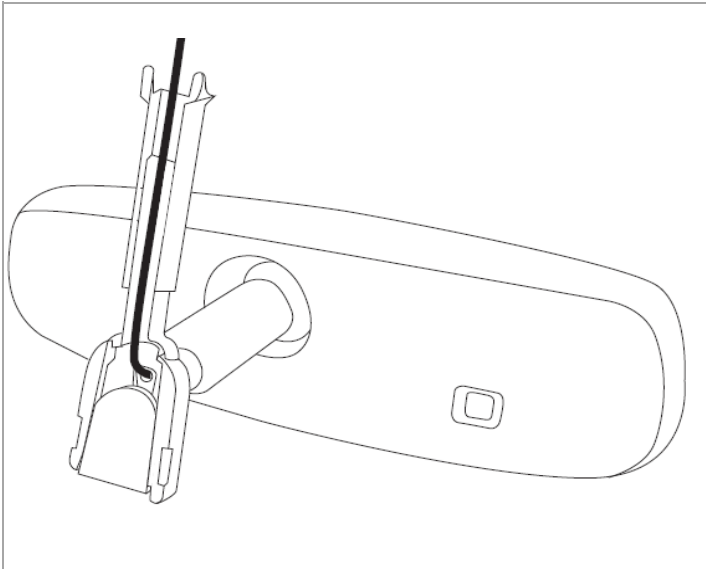
		18
NOTE	<ol style="list-style-type: none"> 1. Plug the 5-pin connector from the provided one (1) mirror harness into the harness lead extending out from the mirror. 	
	<p>CAUTION: Ensure 5-pin connector is securely installed.</p>	



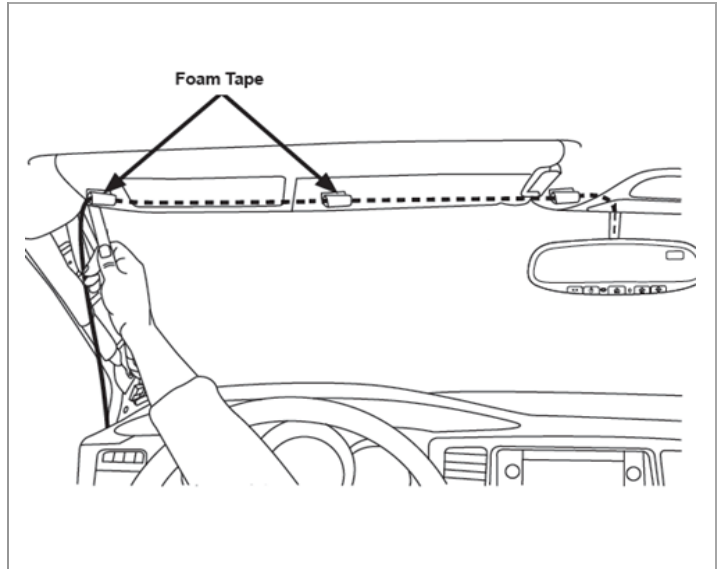
		19
NOTE	<ol style="list-style-type: none"> 1. Wrap one (1) Foam Tape around the mirror harness connector, as shown. 	

	Nylon Panel Removal Tool	20
NOTE	<ol style="list-style-type: none"> 1. Begin tucking the mirror harness between the headliner and the roof. Stop after the foam-taped harness connector is hidden under the headliner. 	
	<p>CAUTION: Use caution when working with the headliner to prevent creases or damage. Make sure hands are clean.</p>	

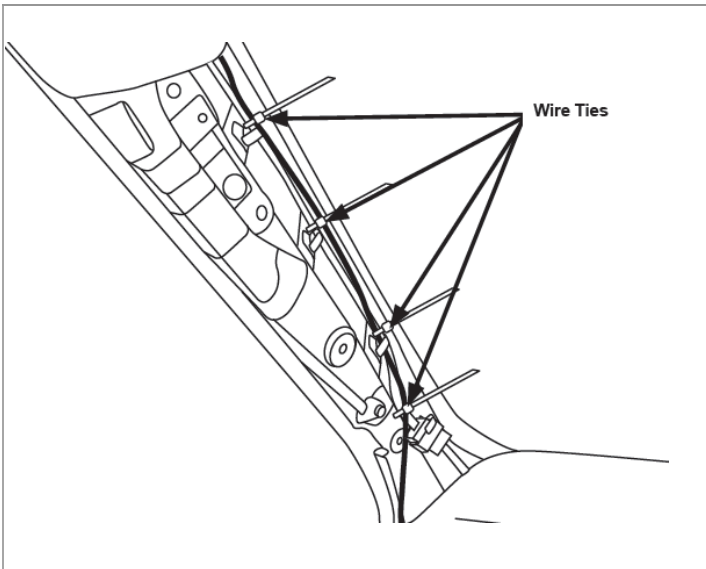
Genuine Accessories



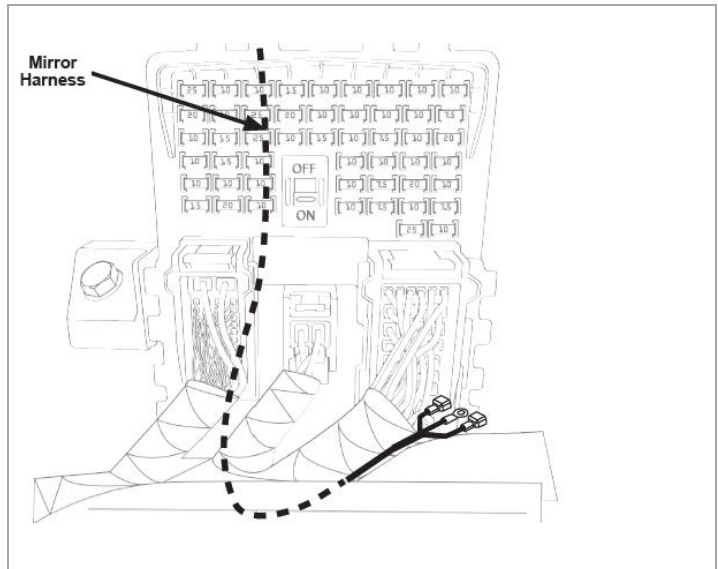
		21
NOTE	<ol style="list-style-type: none"> 1. Slide the provided one (1) wire cover over the mirror harness lead, and click it into the top surface of the mirror base. 2. Extend the upper wire cover until it hooks into the headliner. Ensure the cover is vertical. 	
	CAUTION: Ensure cover "forks" are properly seated into mirror and headliner.	



		22
NOTE	<ol style="list-style-type: none"> 1. Hold the mirror harness against the headliner and wrap one (1) foam tape around the harness where it meets the corner of the A-pillar. 2. Wrap one (1) foam tape on the harness between the two previously installed foam tapes. 3. Tuck the harness with the wrapped foam tape into the headliner across from the mirror to the A-pillar. 	
	CAUTION: Use caution when working with the headliner to prevent creases or damage.	

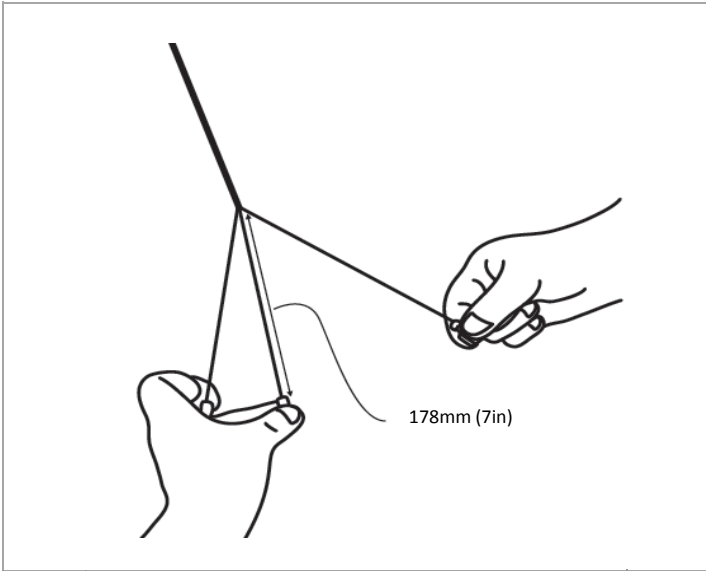


		23
NOTE	<ol style="list-style-type: none"> 1. Route mirror harness down the A-pillar into the dash, toward the fuse panel. NOTE: Ensure wire harness is routed away from the curtain airbag and sunroof drain tube. 2. Secure mirror harness near the vehicle harness clips, and above the electrical connector at the bottom of the A-pillar, with four (4) Wire Ties. 3. Trim the excess Wire Tie length. 	
	CAUTION: DO NOT secure to airbag inflator. DO NOT secure to sunroof drain tube, if equipped.	

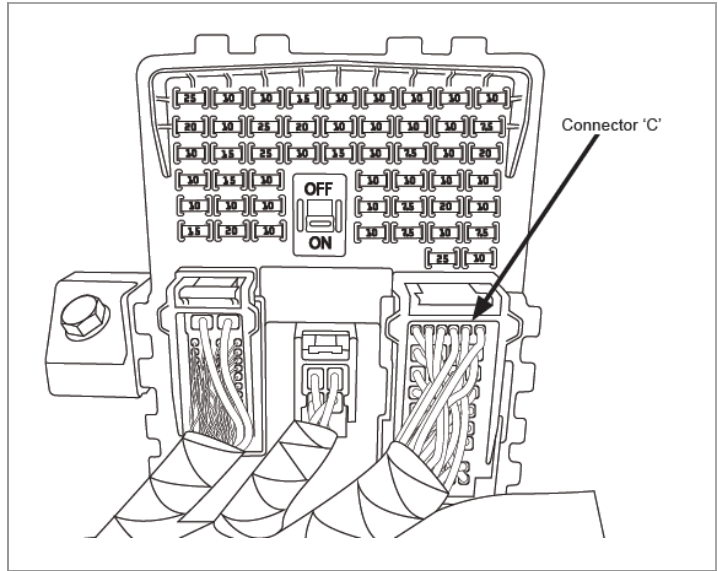


		24
NOTE	<ol style="list-style-type: none"> 1. Route mirror harness through dash, on the engine-side of the fuse panel. 2. Route mirror harness below the fuse panel, pulling the 3 terminals toward the driver's seat. 	
	CAUTION: Ensure harness does not catch on vehicle components, or is damaged during the routing.	

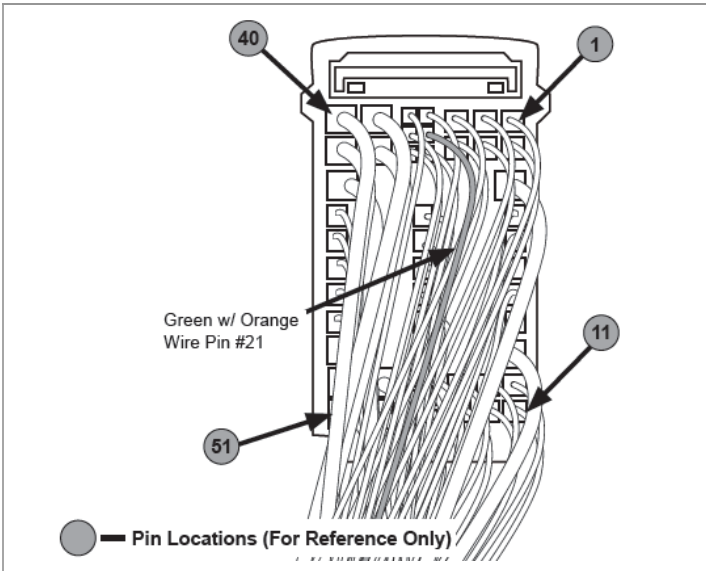
Genuine Accessories



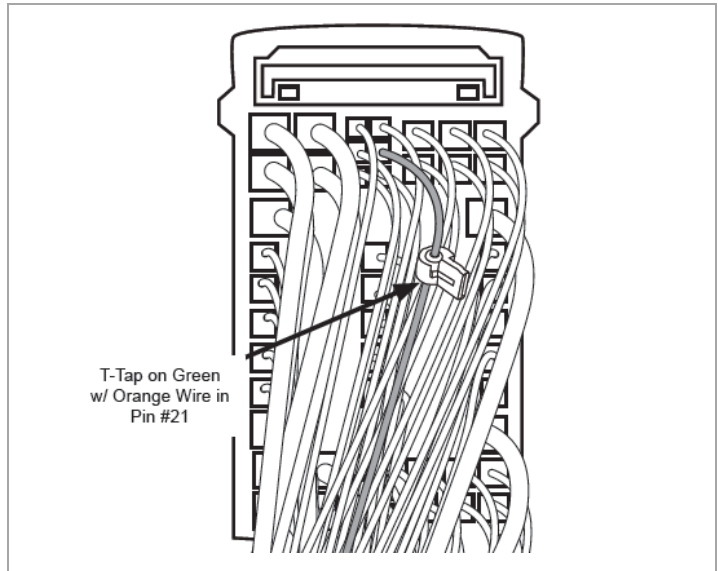
	Tape Measure	25
NOTE	1. Pull mirror harness wires apart approximately 178mm (7in), as shown.	
	CAUTION: DO NOT use a razor blade or any other sharp tool to separate the wires. Ensure wire is not damaged during separation.	



		26
NOTE	1. Locate Connector C (51 pin connector) on the front side of the fuse panel (furthest side from the engine).	

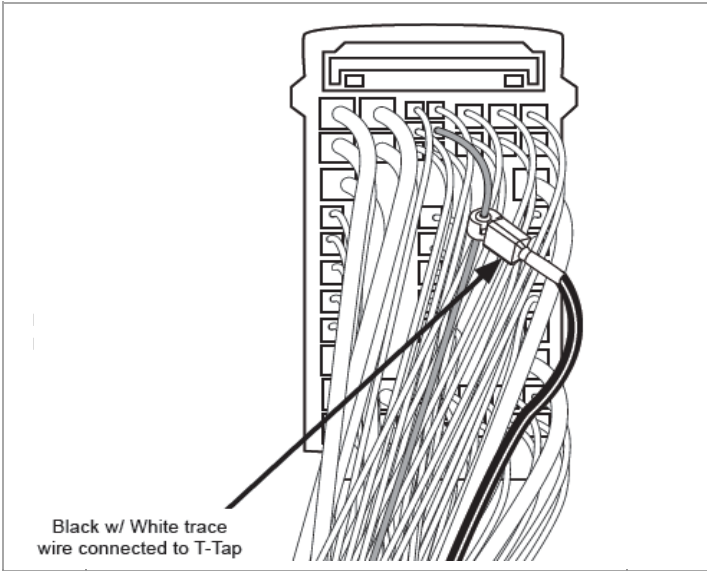


		27
NOTE	1. Locate Pin 21 (GREEN w/ ORANGE wire) of Connector C.	
	CAUTION: Ensure the correct wire is identified. NOTE: Factory wire colors are subject to change at any time. Refer to the pin number to correctly identify the circuit.	



	Pliers	28
NOTE	1. Attach one (1) T-tap to the wire at Pin 21 (Green w/ Orange wire). Use Pliers to snap the T-tap together. Refer to the Electrical Connection Procedure at the beginning of the instructions for more details.	
	CAUTION: Ensure that the wire is in the slot of the T-Tap, and that both halves of the T-Tap are snapped together properly.	

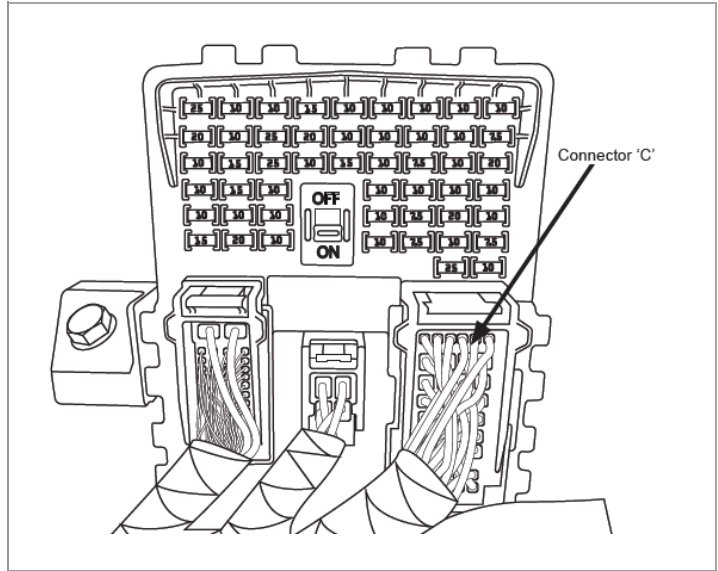
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NOTE

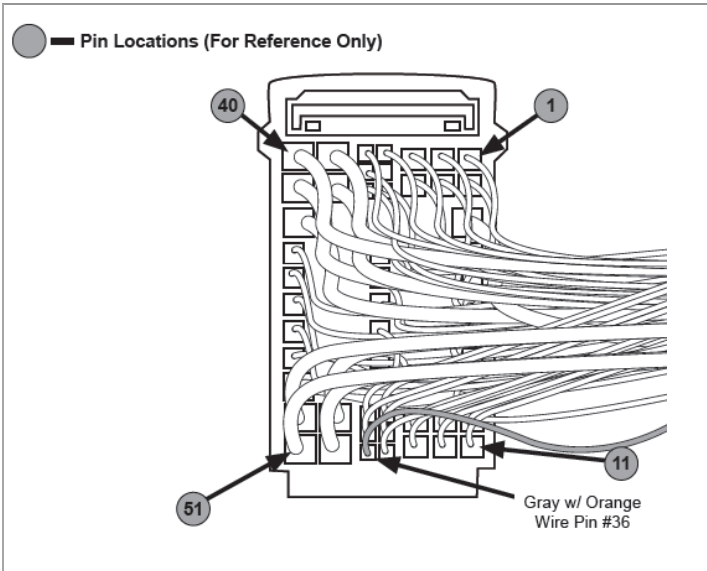
1. Insert male spade terminal of the Mirror Harness (Black w/ White wire) into the T-Tap connector (Green w/ Orange wire), for switched ignition power. Refer to the Electrical Connection Procedure at the beginning of the instructions for more details.

CAUTION: Ensure the male spade connector is fully inserted into the T-Tap. Check that the spade did not "miss" the female slot. Check that the male spade is not visible on either side of the female connector.



NOTE

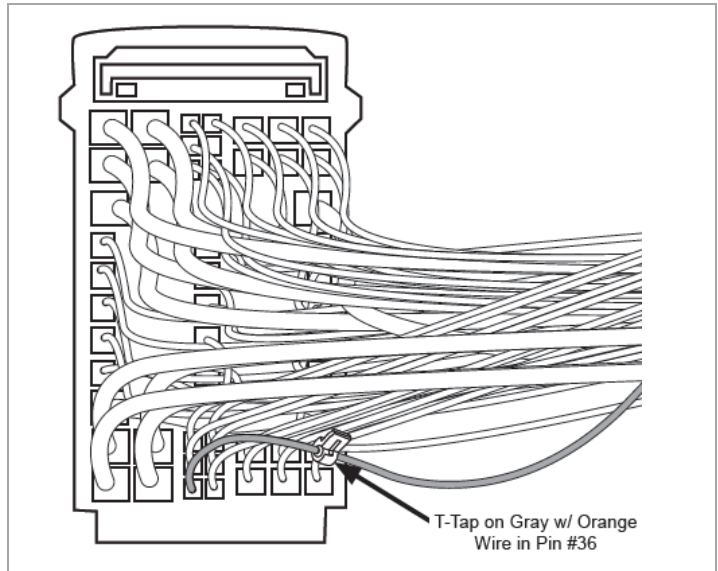
1. Locate Connector C (51 pin connector) on the front side of the fuse panel (furthest side from the engine).



NOTE

1. Locate **Pin 36 (GRAY w/ ORANGE wire)** of Connector C.

CAUTION: Ensure the correct wire is identified.
NOTE: Factory wire colors are subject to change at any time. Refer to the pin number to correctly identify the circuit.



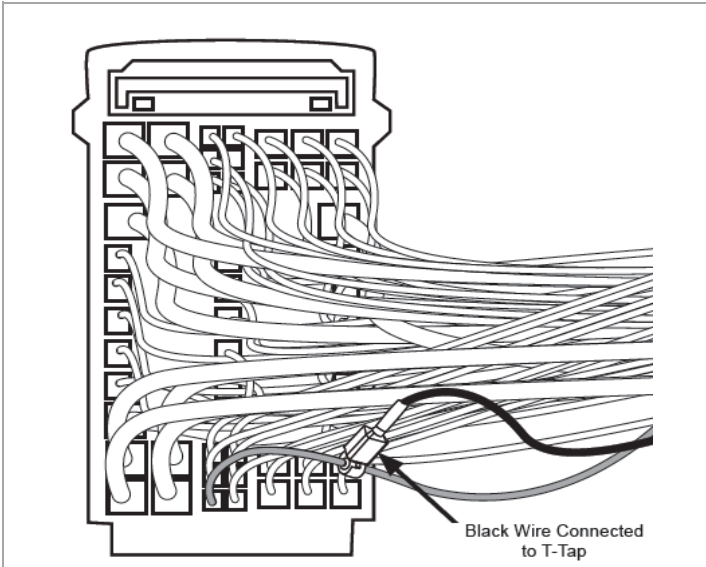
PLIERS

NOTE

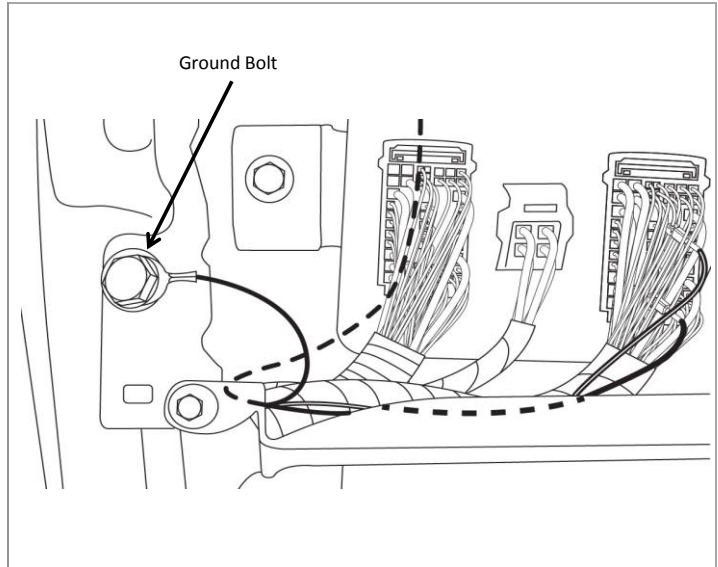
1. Attach one (1) T-Tap to the wire at Pin 36 (Gray w/ Orange wire). Use Pliers to snap the T-Tap together. Refer to the Electrical Connection Procedure at the beginning of the instructions for more details.

CAUTION: Ensure that the wire is in the slot of the T-Tap, and that both halves of the T-Tap are snapped together properly.

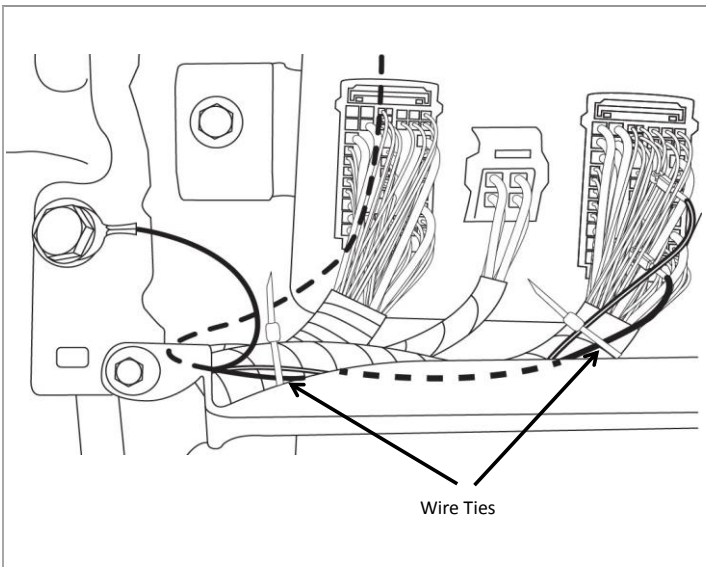
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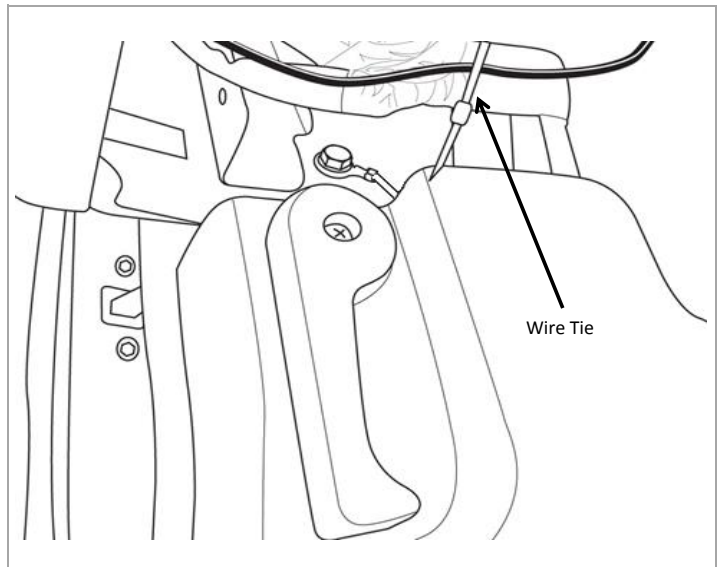
		33
NOTE	<p>1. Insert male spade terminal of the mirror harness (Black wire) into the T-Tap connector (Gray w/ Orange wire), for switched ignition power. Refer to the Electrical Connection Procedure at the beginning of the instructions for more details.</p>	
	<p>CAUTION: Ensure the male spade connector is fully inserted into the T-Tap. Check that the spade did not "miss" the female slot. Check that the male spade is not visible on either side of the female connector.</p>	



	12mm Socket, Ratchet, and Torque Wrench	34
NOTE	<p>1. Locate the ground bolt, to the left of junction block as shown. 2. Remove the ground bolt. 3. Place ground ring of the Mirror Harness on the removed ground bolt. 4. Secure the ground bolt, and torque to 24.5-32.4 N-M (2.5-3.4 kgf-m, 18.1-23.9 lb-ft).</p>	
	<p>CAUTION: Ensure the ground bolt is secured with mirror harness behind it.</p>	

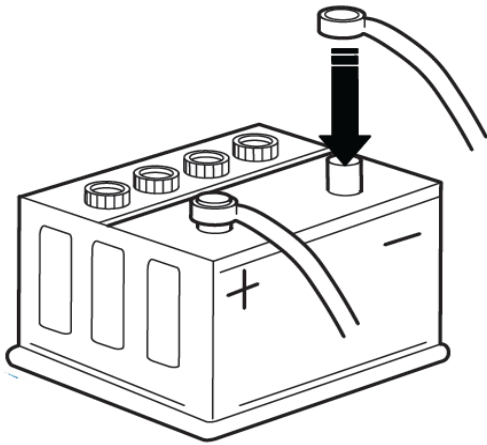


	Side Cutters	35
NOTE	<p>1. Take up any excess harness slack and secure Mirror Harness to vehicle harness with two (2) Wire Ties, as shown. Trim excess Wire Tie length.</p>	

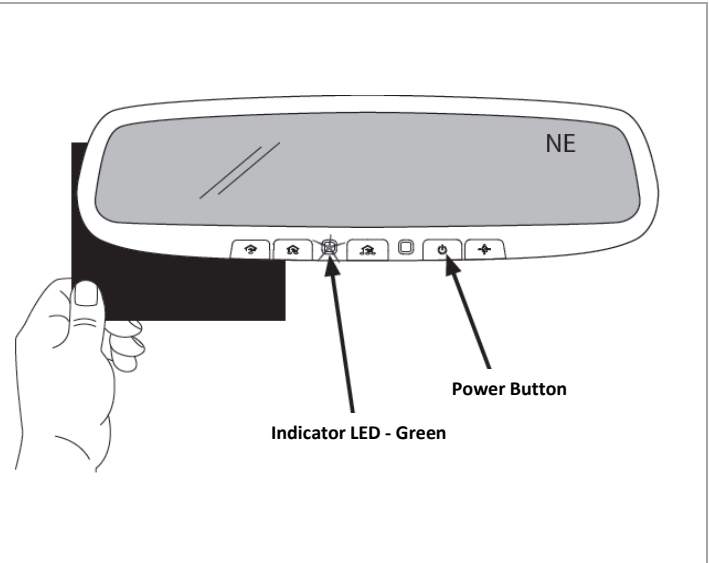


	Side Cutters	36
NOTE	<p>1. Secure Mirror Harness to vehicle harness below knee bolster with one (1) Wire Tie, as shown. Trim excess Wire Tie length.</p>	

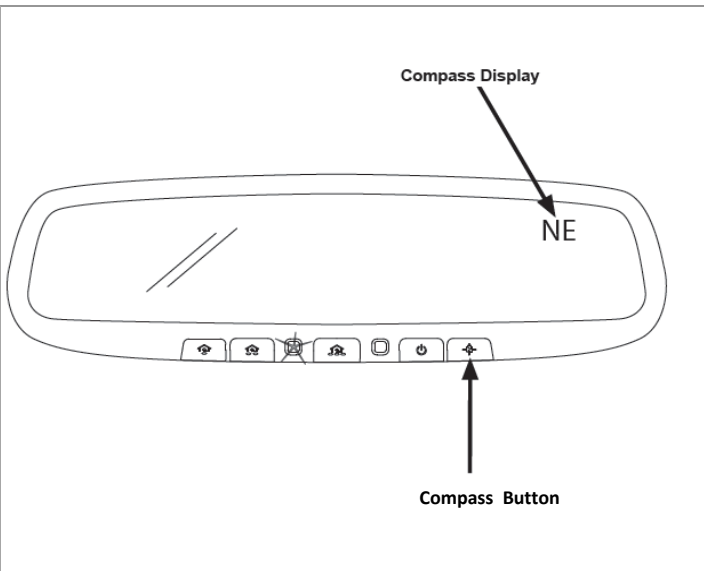
Genuine Accessories



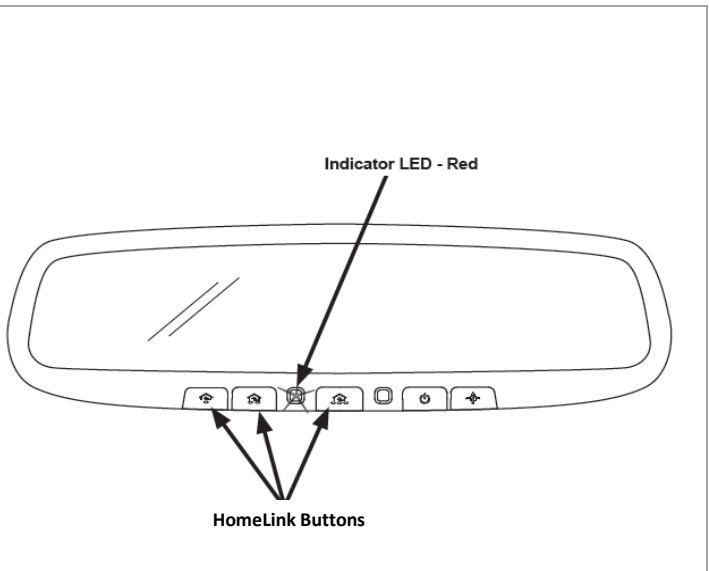
	10mm Socket and Torque Wrench	37
NOTE	Function Check Preparation: 1. Reconnect the negative battery cable, and torque to: 3.93 N.m (0.40 Kgf.m, 34.8 lb-in).	
	WARNING: Shock Hazard! Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious injury and damage to the vehicle may occur.	



		38
NOTE	<ol style="list-style-type: none"> 1. Cover the forward-facing photocell with a dark cloth or towel. 2. Turn the ignition to "ON". 3. Verify that the green LED (light left of center) is on. If not, press and hold the power button to turn the green LED on. 4. With the dark cloth in place, and the power on, the mirror will darken. 5. Remove the dark cloth, and the mirror will return to normal. 	

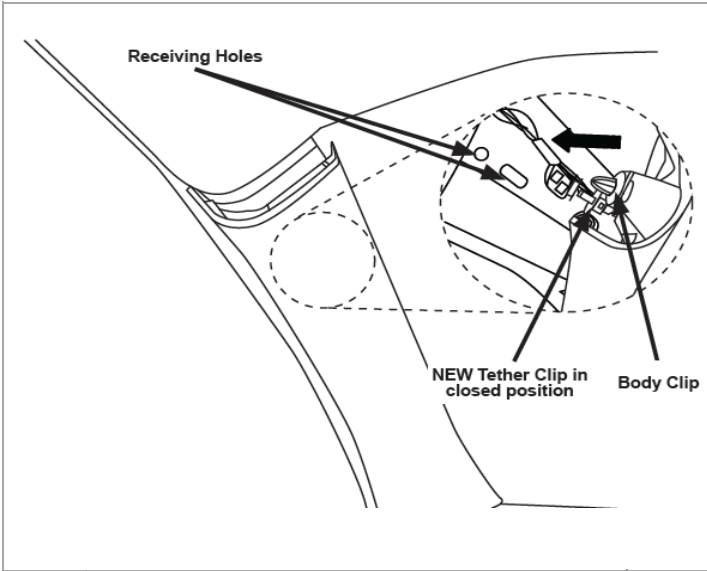


		39
NOTE	<ol style="list-style-type: none"> 1. Verify that either a direction (such as "NE" or "SW") is displayed in the display window. If not, ensure the compass feature is turned on by pressing the compass button. 	

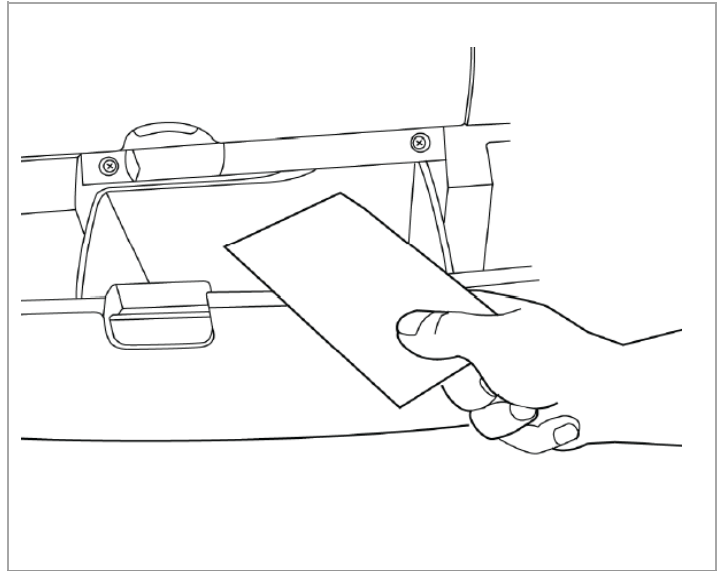


		40
NOTE	<ol style="list-style-type: none"> 1. Turn the ignition to "OFF" 2. Ensure the compass display is no longer visible, and the green LED is no longer on. 3. Press each HomeLink button, one-at-a-time, and verify that the LED indicator to the right of the center button illuminates with a red LED when buttons are pressed. 	

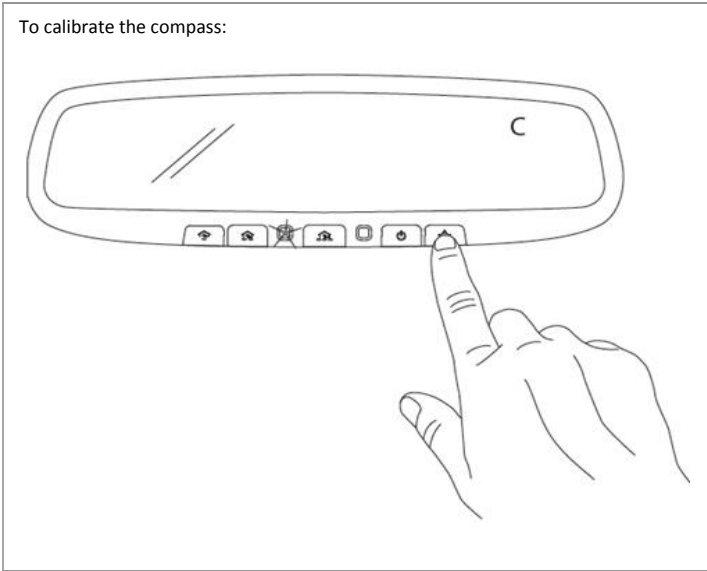
Genuine Accessories



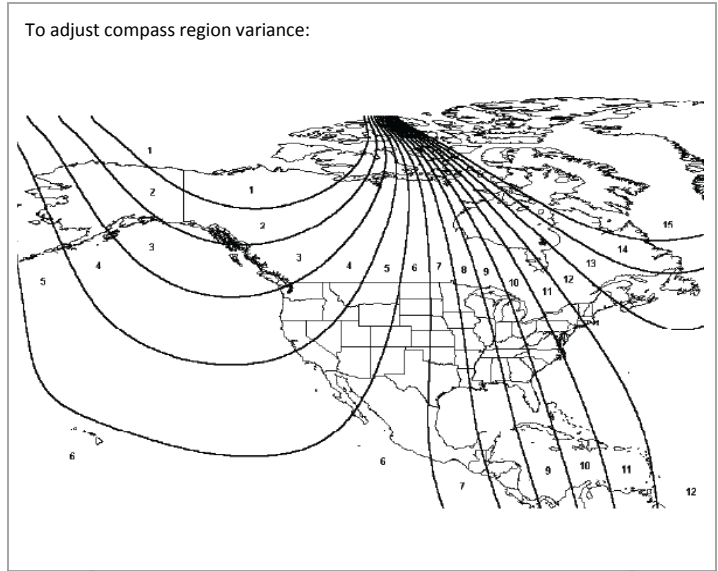
		41
N O T E	<ol style="list-style-type: none"> 1. Ensuring a new tether clip has been inserted into the A-pillar trim panel, begin to re-install the A-pillar trim panel. 2. Insert the A-pillar trim panel lower surface into the mating surface on the top of the dash panel. 3. Move the A-pillar trim panel closer to the A-pillar, aligning the clips with their corresponding holes. Carefully snap the panel into place. 	
	<p>WARNING: Always use a new tether clip when re-installing the A-pillar trim panel. Failure to use a new clip may result in serious injury or death in the event the airbag deploys. Do not damage the A-pillar trim panel or tether clip.</p>	



		42
N O T E	<ol style="list-style-type: none"> 1. Re-install, in reverse order, all remaining trim panels removed during installation. 2. Place the provided one (1) Quick Reference Guide in the glove box. 3. Clean fingerprints, smudges, etc. from mirror and windshield. 	
	<p>CAUTION: DO NOT spray glass cleaner or other cleaning liquid directly on the mirror, as it may damage the electronics.</p>	



		A
N O T E	<ol style="list-style-type: none"> 1. If the compass displays "C", it will need to be calibrated. 2. To calibrate, drive the vehicle up to three (3) complete circles, at less than 5mph. 	













		B
N O T E	<ol style="list-style-type: none"> 1. To adjust for compass variance, identify your approximate compass region on the above map. 2. Press and hold the power button for more than 9 seconds, and the current compass region code will display. 3. Press the power button until your desired compass region is displayed. Release the button, and the correct compass direction will appear. 	

Genuine Accessories Troubleshooting

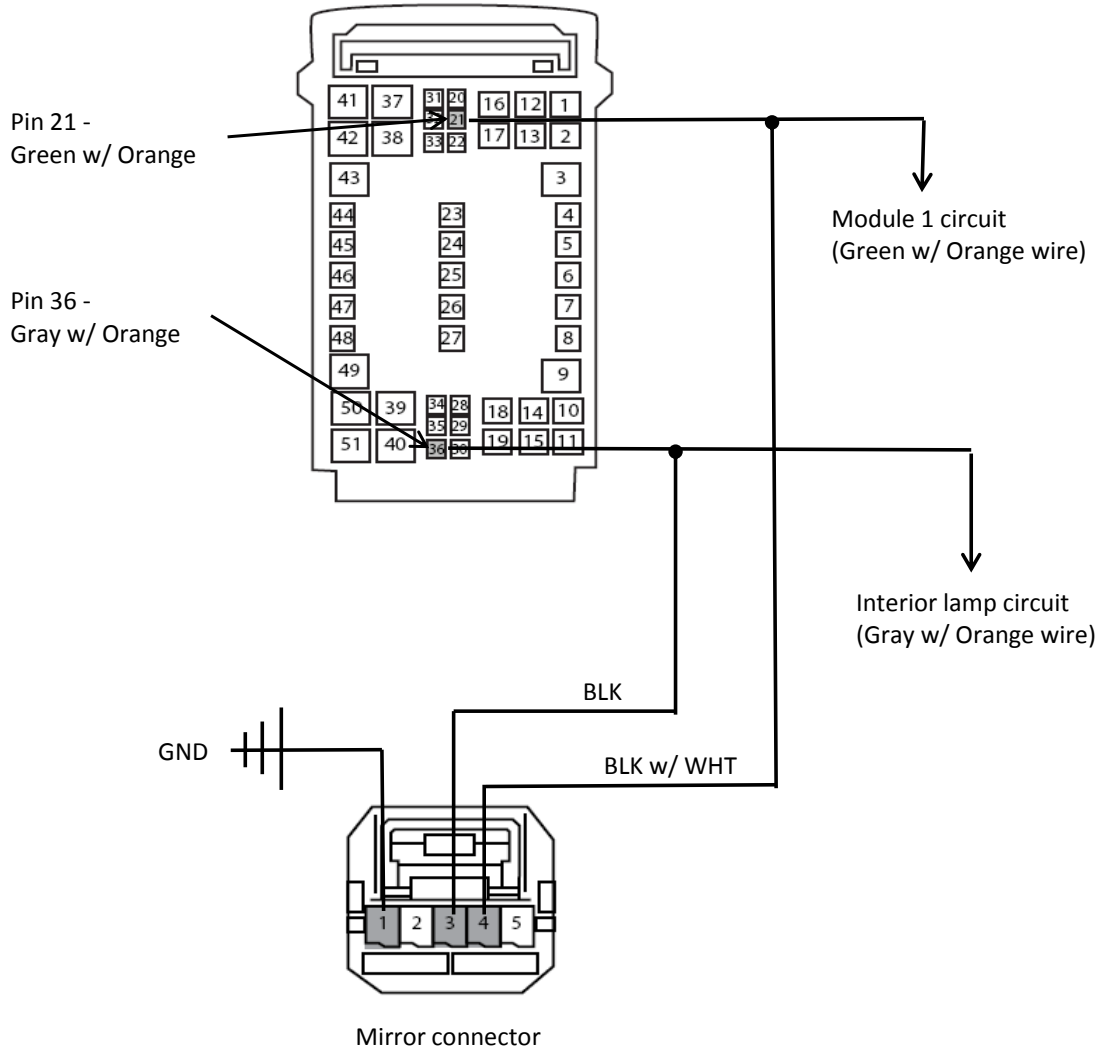
Issue / Concern	Item To Be Checked
Mirror does not power up	Confirm constant power circuit is properly connected Circuit should have 12V power with ignition in "OFF" -Check that mirror harness is properly connected at mirror -Check that T-Tap is connected to the proper wire -Check that T-Tap is fully crimped -Check that male spade is correctly inserted in T-Tap. -Check that wire harness is not damaged
↑	Confirm ground circuit is properly attached & tightened -Check that mirror harness is properly connected at mirror -Check that GND ring terminal is seated solidly against vehicle ground bolt -Check that wire is not damaged
↑	Confirm ignition-switched power circuit is properly connected Circuit should NOT have power with ignition in "OFF", but should have 12V power when ignition is switched to "ON" -Check that mirror harness is properly connected at mirror -Check that T-Tap is connected to the proper wire -Check that T-Tap is fully crimped -Check that male spade is correctly inserted in T-Tap -Check that wire is not damaged
Homelink does not work (red LED does not illuminate)	-Check that T-Tap is connected to the proper wire -Check that T-Tap is fully crimped -Check that male spade is correctly inserted in T-Tap -Check that GND ring terminal is seated solidly against ground bolt -Check vehicle interior lamp fuse
Homelink does not work (red LED does not illuminate when all HL buttons pressed)	-Replace the mirror
Compass does not illuminate	-Check that T-tap is connected to the proper wire -Check that T-Tap is fully crimped -Check that male spade is correctly inserted in T-tap -Check that GND ring terminal is seated solidly against ground bolt -Check vehicle interior lamp fuse
Auto-dimming function does not work properly (green LED does not illuminate)	-Check that T-Tap is connected to the proper wire -Check that T-Tap is fully crimped -Check that male spade is correctly inserted in T-Tap -Check that GND ring terminal is seated solidly against ground bolt -Check vehicle interior lamp fuse
Auto-dimming function does not work properly (green LED illuminates, but mirror does not darken)	-Replace the mirror

Genuine Accessories Visual Check

Items To Be Checked	Results Of The Check
 Negative battery terminal re-tightened	Battery cable is correctly fastened to the negative terminal. Nut is properly torqued to 3.93 N.m (0.40 Kgf.m, 34.8 lb-in).
 Mirror Torx screw replaced and re-tightened	Screw is tightened and properly torqued to 1.76 N-m (0.18 kgf-m, 15.6 lb-in).
 Harness	Mirror harness connectors are properly connected. T-Tap spade connectors are properly seated. Harness is tucked into the headliner without causing a bulge or interference.
 Sun visor hook	Hook is properly secured in place, and screw is tightened.
 A-pillar trim panel	Panel is securely in place. Ensure A-pillar tether clip is properly installed and seated in the A-pillar correctly.
 Door seal	Seal is properly replaced, and not wrinkled.
 Lower dash trim panel	Panel is securely in place. All connectors attached are properly re-connected.
 Side dash trim panel	Panel is securely in place.
 Fuse panel access cover	Panel is securely in place.
 Ground bolt	Bolt is tightened and properly torqued to 24.5~32.4 N-M (2.5~3.4 kgf-m, 18.1~23.9 lb-ft).

Genuine Accessories Electrical Schematic

Smart Junction Box Connector "C"
SJB_FLRS_C



No	Gauge	Color	Function	Circuit	Fuse
1	22	BLK	GND		
2					
3	22	BLK	+B (constant power)	Int. lamp	Int. lamp (10amp)
4	22	BLK w/ WHT	IG (switched power)	Module 1	Module 1 (10amp)
5					